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| FORM PTO 1590 (REV 5-93) | | US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. §371 | | ATTORNEY DOCKET NUMBER 2002_0348A | |
| | | U.S. APPLICATION NO. (if known, see 37 CFR 1.51) NEW | |
| International Application No. PCT/JP99/05317 | International Filing Date September 29, 1999 | Priority Date Claimed None | |
| Title of Invention INOCULATING AGENT, SPAWNED INSECT AND METHOD OF PRODUCING FRUIT BODIES OF ENTOMOPATHOGENIC FUNGI | | | |
| Applicant(s) For DO/EO/US Hiroki SATO and Mitsuaki SHIMAZU | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | |
| 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. §371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. §371. 3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. §371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. §371(b) and PCT Articles 22 and 39(1). 4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. §371(c)(2)) a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau). b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US) 6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. §371(c)(2)) (26 pages plus Fig. 1 (A4 paper)). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3)). a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau). b. <input type="checkbox"/> have been transmitted by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19. 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. §371(c)(4)). (UNEXECUTED) 10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)). Items 11. to 14. below concern other document(s) or information included: 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A FIRST preliminary amendment. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment. 14. <input checked="" type="checkbox"/> Other items or information: (a) PCT Request (PCT/RO/101) in Japanese; (b) Forms PCT/IB/301, 308, 332 and 338 including translation of International Preliminary Examination Report; (c) Forms PCT/IPEA/401, 402, 409 and 416 all in Japanese; (d) International Search Report; (e) Published International Application (WO 01/22801); (f) Two Forms PCT/IB/306 with attached associated Notifications of Change of Person and Change of Address; and (g) Copy of Certificate to Commissioner of Japan Patent Office that the inventions regarding this application were presented at a study meeting, namely the Meeting of the Japanese Society of Applied Entomology and Zoology on April 2, 1999. | | | |

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| U.S. APPLICATION NO. 10/08943 NEW | | INTERNATIONAL APPLICATION NO. PCT/JP99/05317 | | ATTORNEY'S DOCKET NO. 2002 0348A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15. [X] The following fees are submitted BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)): Neither international preliminary examination fee nor international search fee paid to USPTO and International Search Report not prepared by the EPO or JPO \$1040.00 International Search Report has been prepared by the EPO or JPO \$ 890.00 International preliminary examination fee not paid to USPTO but international search paid to USPTO \$ 740.00 International preliminary examination fee paid to USPTO but claims did not satisfy provisions of PCT Article 33(1)-(4) \$ 690.00 International preliminary examination fee paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$ 100.00 ENTER APPROPRIATE BASIC FEE AMOUNT = Surcharge of \$130.00 for furnishing the oath or declaration later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(e)). <table border="1" style="width:100%"><tr><td>Claims</td><td>Number Filed</td><td>Number Extra</td><td>Rate</td><td></td><td></td></tr><tr><td>Total Claims</td><td>12 -20 =</td><td>0</td><td>X \$18.00</td><td>\$</td><td></td></tr><tr><td>Independent Claims</td><td>5 - 3 =</td><td>2</td><td>X \$84.00</td><td>\$168.00</td><td></td></tr><tr><td colspan="3">Multiple dependent claim(s) (if applicable)</td><td>+ \$280.00</td><td>\$</td><td></td></tr><tr><td colspan="4">TOTAL OF ABOVE CALCULATIONS =</td><td>\$1058.00</td><td></td></tr><tr><td colspan="4">[] Small Entity Status is hereby asserted. Above fees are reduced by 1/2.</td><td>\$</td><td></td></tr><tr><td colspan="4">SUBTOTAL =</td><td>\$1058.00</td><td></td></tr><tr><td colspan="4">Processing fee of \$130.00 for furnishing the English translation later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).</td><td>+</td><td>\$</td></tr><tr><td colspan="4">TOTAL NATIONAL FEE =</td><td>\$1058.00</td><td></td></tr><tr><td colspan="4">Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property</td><td>+</td><td>\$</td></tr><tr><td colspan="4">TOTAL FEES ENCLOSED =</td><td>\$1058.00</td><td></td></tr><tr><td colspan="4" rowspan="2"></td><td>Amount to be refunded</td><td>\$</td></tr><tr><td>Amount to be charged</td><td>\$</td></tr></table> | | | | Claims | Number Filed | Number Extra | Rate | | | Total Claims | 12 -20 = | 0 | X \$18.00 | \$ | | Independent Claims | 5 - 3 = | 2 | X \$84.00 | \$168.00 | | Multiple dependent claim(s) (if applicable) | | | + \$280.00 | \$ | | TOTAL OF ABOVE CALCULATIONS = | | | | \$1058.00 | | [] Small Entity Status is hereby asserted. Above fees are reduced by 1/2. | | | | \$ | | SUBTOTAL = | | | | \$1058.00 | | Processing fee of \$130.00 for furnishing the English translation later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | + | \$ | TOTAL NATIONAL FEE = | | | | \$1058.00 | | Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property | | | | + | \$ | TOTAL FEES ENCLOSED = | | | | \$1058.00 | | | | | | Amount to be refunded | \$ | Amount to be charged | \$ | | |
| | | | | Claims | Number Filed | Number Extra | Rate | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Claims | 12 -20 = | 0 | X \$18.00 | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Independent Claims | 5 - 3 = | 2 | X \$84.00 | \$168.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Multiple dependent claim(s) (if applicable) | | | + \$280.00 | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$1058.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| [] Small Entity Status is hereby asserted. Above fees are reduced by 1/2. | | | | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| SUBTOTAL = | | | | \$1058.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Processing fee of \$130.00 for furnishing the English translation later than [] 20 [] 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | | | + | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL NATIONAL FEE = | | | | \$1058.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property | | | | + | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FEES ENCLOSED = | | | | \$1058.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Amount to be refunded | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | Amount to be charged | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. [X] A check in the amount of \$1058.00 to cover the above fees is enclosed. A duplicate copy of this form is enclosed. b. [] Please charge my Deposit Account No. 23-0975 in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. [] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-0975. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| <div>19. CORRESPONDENCE ADDRESS</div> <div style="text-align: center;"> 000513 PATENT TRADEMARK OFFICE</div> | <div>By:  Michael R. Davis Registration No. 25,134</div> <div>WENDEROTH, LIND & PONACK, L.L.P. 2033 "K" Street, N.W., Suite 800 Washington, D.C. 20006-1021 Phone: (202) 721-8200 Fax: (202) 721-8250 March 29, 2002</div> |
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THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

ATTY DOCKET # 2002_0348A
OUR REF: [2002_0348A/MRD/01660]

Due Date: March 29, 2002

Applicant Hiroki SATO et al.

10/089448

Serial No. NEW Filing Date March 29, 2002

Title INOCULATING AGENT, SPAWNED INSECT AND METHOD OF PRODUCING
FRUIT BODIES OF ENTOMOPATHOGENIC FUNGI

Receipt of the following papers is acknowledged:

1. Transmittal Letter to the United States Designated/Elected Office (DO/EO/US)
Concerning a Filing Under 35 USC 371 (National stage application of PCT/JP99/05317)
2. Translation of International Application (26 pages plus Fig. 1 (A4P))
3. UNEXECUTED Declaration and Power of Attorney
4. Information Disclosure Statement and form PTO-1449 with two references
5. Preliminary Amendment and VERSION WITH MARKINGS TO SHOW CHANGES MADE
6. Attachments: (a) PCT Request; (b) Forms PCT/IB/301, 308, 332 and 338 including translation of International Preliminary Examination Report; (c) Forms PCT/IPEA/401, 402, 409 and 416; (d) International Search Report; (e) WO 01/22801; (f) Two Forms PCT/IB/306 with attached associated documents; and (g) Copy of Certificate to Commissioner of Japan Patent Office with attachment.
7. Check in the amount of \$1058.00

JC02 Rec'd PCT/PTO 29 MAR 2002

Date March 29, 2002

Attorney MRD/ach

[Check No. 4956]